

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: August 13, 2001, 11:23:05 ; Search time 110.38 Seconds
(without alignments)
1.648 Million cell updates/sec

Title: PCT-US00-40496-12

Perfect score: 3

Sequence: 1 KRR 3

Scoring table:

Gapop 60.0, Capext 60.0

Searched: 412676 seqs, 60623988 residues

Word size: 0

Total number of hits satisfying chosen parameters: 158286

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Listing first 45 summaries

Database:

A.Geneseq.0601:*

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21: /cgn1_9/gcgdata/geneseq/geneseq/AA2000.DAT:*

22: /cgn1_9/gcgdata/geneseq/geneseq/AA2001.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3	100.0	4	18	AAW26211
2	3	100.0	4	19	AAW52421
3	3	100.0	4	20	AAV06089
4	3	100.0	4	20	AAV09618
5	3	100.0	4	20	AAV15854
6	3	100.0	4	20	AAV35379
7	3	100.0	4	21	AAW12266
8	3	100.0	4	22	AAW80640
9	3	100.0	4	22	AAW80642
10	3	100.0	4	22	AAW80643
11	3	100.0	4	22	AAW80644

12	3	100.0	4	22	AAW80650	Human glandular ka
13	3	100.0	5	15	AAW62390	Phospholipase A2 in
14	3	100.0	5	17	AAW86617	HIV TAR cellular u
15	3	100.0	5	17	AAW86618	HIV TAR cellular u
16	3	100.0	5	17	AAW95443	RA susceptibility
17	3	100.0	5	18	AAW26219	Fusion protein hyd
18	3	100.0	5	18	AAW26220	Fusion protein hyd
19	3	100.0	5	18	AAW26224	Fusion protein hyd
20	3	100.0	5	18	AAW26226	Fusion protein hyd
21	3	100.0	5	19	AAW19167	Human neurofilamen
22	3	100.0	5	19	AAW20823	Archivillin nuclear
23	3	100.0	5	20	AAV06091	Streptococcus pyog
24	3	100.0	5	20	AAW80055	Streptococcus agal
25	3	100.0	5	20	AAW80057	S. pyogenes sortas
26	3	100.0	5	21	AAW11066	S. agalactiae sortas
27	3	100.0	5	21	AAW11068	HIV SP12 gp120 cl
28	3	100.0	5	21	AAW14216	HIV SP12 gp120 cl
29	3	100.0	5	21	AAW14222	HIV SP12 gp120 cl
30	3	100.0	5	21	AAW69732	ADP-1/TAR binding
31	3	100.0	5	21	AAW49920	Glycocalyx mimic s
32	3	100.0	5	22	AAW80741	HR2 cleavage site
33	3	100.0	5	22	AAW80743	HR2 cleavage site
34	3	100.0	5	22	AAW80744	HR2 cleavage site
35	3	100.0	5	22	AAW80745	HR2 cleavage site
36	3	100.0	5	22	AAW80746	HR2 cleavage site
37	3	100.0	5	22	AAW80747	HR2 cleavage site
38	3	100.0	5	22	AAW80748	HR2 cleavage site
39	3	100.0	6	4	AAW30312	Sequence encoded b
40	3	100.0	6	11	AAW30374	Immunostimulant pe
41	3	100.0	6	17	AAW12964	HCV NS3 protease s
42	3	100.0	6	18	AAW01642	Solubilizing motif
43	3	100.0	6	18	AAW19174	Isoelectric point
44	3	100.0	6	19	AAW20320	Human microtubule
45	3	100.0	6	19	AAW79204	HeT-A nucleus-tran

ALIGNMENTS

RESULT 1

ID AAW26211 standard; peptide: 4 AA.

AC AAW26211:

DT 16-MAR-1998 (first entry)

DE Fusion protein hydrophilic spacer peptide SEQ ID NO:22.

XX Fusion protein: hydrophilic spacer; recombinant; expression system:

KW carboxypeptidase.

OS Synthetic.

XX W09728272-A1.

PN 07-AUG-1997.

PD 31-JAN-1997; 97MO-US01470.

PR 31-JAN-1996; 96US-0595043.

XX (TECH-) TECHNOLOGENE INC.

PA Sgarlato GD;

PI WPI: 1997-402624/37.

DR Recombinant protein expression system for fusion protein production

XX PT - useful for high quantity production of authentic recombinant

XX proteins

PS Claim 6; Page 127; 194pp; English.

XX A novel recombinant vector has been developed which comprises a
 CC nucleotide sequence encoding a fusion protein. The fusion protein
 CC comprises three domains joined together in order, from N-terminus to
 CC C-terminus, of a first domain comprising a protein of interest, a second
 CC domain comprising a hydrophilic spacer and an affinity domain, each
 CC domain comprising amino acid residues. The present sequence represents
 CC a specifically claimed hydrophilic spacer. The recombinant vector is
 CC used for the production of authentic recombinant proteins of interest.
 CC The method of the invention is useful for the expression of fusion
 CC proteins capable of isolation by affinity chromatography in pro- or
 CC eukaryotic cells. This method allows for the efficient cleavage and
 CC generation of authentic proteins of interest that do not contain
 CC extraneous (i.e. non-naturally occurring) amino acids.

SO Sequence 4 AA;

Query Match 100.0%; Score 3; DB 18; Length 4;
 Best Local Similarity 100.0%; Pred. No. 3.4e+05;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KRR 3
 |||
 Db 1 krr 3

RESULT 2
 AAM52421
 ID AAM52421 standard; peptide; 4 AA.

AC AAM52421;

DT 01-JUL-1998 (first entry)

DE Beta-turn region used in cyclic peptide of the invention.

KM Beta-turn region; cyclic peptide; antimicrobial; disinfectant; therapy;
 KW preservative; amphipathic anti-parallel beta-sheet region; plant disease.

OS Synthetic.

XX WO9803192-A1.

XX 29-JAN-1998.

PF 23-JUL-1997; 97WO-US12974.

PR 24-JUL-1996; 96US-0685589.

PA (INTR-) INTRABIOTICS PHARM INC.

PI Chang C, Chen J, Gu L;

DR WPI: 1998-120472/11.

XX New cyclic peptide(s) with antimicrobial activity - contain
 PT amphipathic beta-sheet, loop and beta-turn regions, have better
 PT activity, bio-availability and protease resistance than linear
 PT analogues

XX Claim 3; Page 149; 160pp; English.

CC This sequence represents a beta-turn region used in a peptide of the
 CC invention. The peptides are cyclic peptides (I), which have: (a) an
 CC amphipathic anti-parallel beta-sheet region (SR), a loop region (LR) and
 CC a beta-turn region (TR); (b) a net positive charge at physiological pH;
 CC and (c) at least one basic amino acid (aa) in LR or TR. (I) are broad
 CC spectrum antimicrobials, specifically for use against E. coli,
 CC pseudomonas aeruginosa, methicillin-resistant staphylococcus aureus
 CC (MRSA), vancomycin-resistant enterococcus faecium and
 CC penicillin-resistant streptococcus pneumoniae. More generally they are
 CC active against Gram-positive or -negative bacteria, fungi, yeast and

CC protozoa. Apart from clinical uses, (I) are also used as disinfectants
 CC and preservatives for medical equipment, foods, cosmetics etc., also for
 CC treatment of plant diseases. Compared with non-cyclised analogues (i.e.
 CC lachypisin and protegrin type peptides), (I) are more effective,
 CC with better bioavailability and/or serum half-life (increased resistance
 CC to proteolysis). They are more suitable for oral administration, can be
 CC used at lower doses and are unlikely to induce development of resistant
 CC strains.

SO Sequence 4 AA;

Query Match 100.0%; Score 3; DB 19; Length 4;
 Best Local Similarity 100.0%; Pred. No. 3.4e+05;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KRR 3
 |||
 Db 1 krr 3

RESULT 3
 AAY06089
 ID AAY06089 standard; Peptide; 4 AA.

AC AAY06089;

DT 16-AUG-1999 (first entry)

DE Archvillin nuclear localisation sequence.

KM Supervillin; archvillin; actin binding protein; apoptosis;
 KW cell proliferation; therapy; nuclear localisation sequence; human.

OS Homo sapiens.

XX WO9923213-A1.

XX 14-MAY-1999.

PF 30-OCT-1998; 98WO-US23061.

PR 31-OCT-1997; 97US-0962284.

PA (UYMA-) UNIV MASSACHUSETTS.

PI Luna EJ, Pestonjamp KN, Pope RK, Wulfkuhle JD;

DR WPI: 1999-313338/26.

PT Actin-Binding proteins supervillin and archvillin

PS Example 9; Page 76; 118pp; English.

CC This sequence represents a predicted nuclear localisation sequence
 CC located at amino acid residues 714-717 of human archvillin (see
 CC AAY06079), the muscle isoform of supervillin, which is a novel
 CC actin binding protein of the plasma membrane. Supervillins
 CC function to block apoptosis in sub-confluent epithelial cells. The
 CC invention provides supervillin polypeptides (see AAY0607-79) and
 CC polynucleotides (see AAY5613-21), antibodies and modulators of
 CC supervillin expression or activity. These are used for diagnosis
 CC and treatment of disease, and for inducing apoptosis in cells.

SO Sequence 4 AA;

Query Match 100.0%; Score 3; DB 20; Length 4;
 Best Local Similarity 100.0%; Pred. No. 3.4e+05;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 KRR 3
 |||

XX The present invention relates to a peptide comprising an amino acid
CC sequence having a cleavage site specific for an enzyme having a
CC proteolytic activity of human kallikrein 2 (hk2), and which is up to
CC 20 amino acids in length. The invention is useful for producing a
CC product which involves linking a drug which contains a primary amine
CC to the peptide, in which the linking of the peptide to the drug
CC inhibits the therapeutic activity of the drug.
SQ Sequence 5 AA:

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 3.4e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GKKRR 5
DB 1 gkrrr 5

RESULT 2

ID AAB80669 standard; peptide; 7 AA.

AC AAB80669;

DT 02-MAY-2001 (first entry)

DE Human glandular kallikrein 2 cleavage site peptide #30.

KM Cleavage: kallikrein 2; hk2; produg.

OS Synthetic.

PN MO200109165-A2.

PD 08-FEB-2001.

PF 28-JUL-2000; 2000MO-US40496.

PR 29-JUL-1999; 99US-0146316.

PA (UYJO) UNIV JOHNS HOPKINS.

PI Denmeade SR, Isaacs JT, Lilja H, Christensen SB;

DR WPI; 2001-191450/19.

XX New peptides containing cleavage sites specifically cleaved by human
PT kallikrein 2, useful for producing produgs which treat hk2-producing
PT cell proliferative disorders without exhibiting non-specific toxicity

XX Disclosure: Page 8; 38pp; English.

XX The present invention relates to a peptide comprising an amino acid
CC sequence having a cleavage site specific for an enzyme having a
CC proteolytic activity of human kallikrein 2 (hk2), and which is up to
CC 20 amino acids in length. The invention is useful for producing a
CC product which involves linking a drug which contains a primary amine
CC to the peptide, in which the linking of the peptide to the drug
CC inhibits the therapeutic activity of the drug.
SQ Sequence 7 AA:

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 3.4e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GKKRR 5
DB 1 gkrrr 5

DB 2 gkrrr 6

RESULT 3

ID AAB80706 standard; peptide; 7 AA.

AC AAB80706;

DT 02-MAY-2001 (first entry)

DE Human glandular kallikrein 2 substrate peptide #36.

KM Cleavage: kallikrein 2; hk2; produg.

OS Synthetic.

PN MO200109165-A2.

PD 08-FEB-2001.

PF 28-JUL-2000; 2000MO-US40496.

PR 29-JUL-1999; 99US-0146316.

PA (UYJO) UNIV JOHNS HOPKINS.

PI Denmeade SR, Isaacs JT, Lilja H, Christensen SB;

DR WPI; 2001-191450/19.

XX New peptides containing cleavage sites specifically cleaved by human
PT kallikrein 2, useful for producing produgs which treat hk2-producing
PT cell proliferative disorders without exhibiting non-specific toxicity

XX Example 8; Page 29; 38pp; English.

XX The present invention relates to a peptide comprising an amino acid
CC sequence having a cleavage site specific for an enzyme having a
CC proteolytic activity of human kallikrein 2 (hk2), and which is up to
CC 20 amino acids in length. The invention is useful for producing a
CC product which involves linking a drug which contains a primary amine
CC to the peptide, in which the linking of the peptide to the drug
CC inhibits the therapeutic activity of the drug.
SQ Sequence 7 AA:

Query Match 100.0%; Score 5; DB 22; Length 7;
Best Local Similarity 100.0%; Pred. No. 3.4e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GKKRR 5
DB 2 gkrrr 6

RESULT 4

ID AAM59284 standard; Protein; 12 AA.

AC AAM59284;

DT 11-SEP-1998 (first entry)

DE Homo sapiens adrenal corticotrophic hormone urokinase cleavage site.

KM adrenal corticotrophic hormone; proporelin; protease-activatable;

OS cancer; specific; selective; treatment; urokinase; cleavage site.
XX Homo sapiens.
XX

4

Disclosure: Page 29; 74pp; English

Sequence 12 AA:

Oy	1	GKKRR	5
Db	3	gkkr	7

AC	AAW59285;
XX	
DT	11-SEP-1998 (first entry)

OS	Homo sapiens.
XX	
PN	W09820135-A2.

PD	14-MAY-1998.
XX	
PF	05-NOV-1997; 97WO-US20207

WPI; 1998-286951/25.

Disclosure; Page 29; 74pp; English

Sequence 12 AA;

QY	1	GKKRR	5
Db	4	gkkr	8

AC	AAW59286;
XX	
DT	11-SEP-1998 (first entry)

OS	Homo sapiens
XX	
PN	W09820135-A2

PF	05-NOV-1997;	97WO-US20207
XX		
PR	06-NOV-1996;	96US-0030376

PA (USSH) US DEPT HEALTH & HUMAN SERVICES
XX

OS Synthetic.
 XX MO200077193-A1.
 PN 21-DEC-2000.
 XX
 PD 09-JUN-2000; 2000MO-NL00399.
 XX
 PE 10-JUN-1999; 99EP-0201846.
 XX 10-JUN-1999; 99US-0138443.
 XX
 PA (UYGR-) RIJKSUNIV GRONINGEN.
 XX
 PI Quax WJ, Verhaert RMD, Beekwilder MJ, Aehle W;
 DR WPI: 2001-112224/12.
 DR N-P50B; AAF23957.
 XX
 PT Selecting an enzyme with desired catalytic activity, useful as
 PT catalysts in specific reactions, comprises selecting for display
 PT site other than its catalytic site - a mutant enzyme with a mutated
 PS site other than its catalytic site -
 XX
 PS Example 4: Page 33; 52pp: English.
 XX
 CC The present sequence was generated and used in an example to demonstrate
 CC a method for selecting an enzyme mutant with desired catalytic activity.
 CC The method comprises displaying each of the enzyme mutants on a display
 CC vehicle surface containing a nucleic acid encoding the mutant; and
 CC selecting for a display vehicle carrying a nucleic acid encoding a mutant
 CC enzyme with at least a mutated site other than its catalytic site. The
 CC method is useful for selecting or obtaining enzymes with a desired
 CC activity. Such enzymes are used as catalysts that accelerate the rate of
 CC specific reactions in industry, in food processing, in the manufacture of
 CC laundry soap, and in the production of fine (bio)chemicals.
 XX
 SQ Sequence 7 AA:
 6
 Query Match 100.0%; Score 5; DB 22; Length 7;
 Best Local Similarity 100.0%; Pred. No. 3.4e+05;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Oy 1 GAKRR 5
 |||||
 Db 2 gakrr 6
 RESULT 5
 AAY26298
 ID AAY26298 standard; Peptide: 12 AA.
 AC AAY26298;
 XX
 DT 03-NOV-1999 (first entry)
 XX
 DE Peptide-6 derived from murine NFAT1.
 XX
 KM Murine NFAT1 protein; NFAT dephosphorylation; NFAT protein; calcineurin;
 KM antibody; Immunisation; transcription factor;
 KM calcineurin-mediated dephosphorylation.
 XX
 OS Mus musculus.
 XX
 PN WO9940930-A1.
 PD 19-AUG-1999.
 XX
 PE 11-FEB-1999; 99WO-US03085.
 XX 12-FEB-1999; 98US-0074467.
 XX
 PA (BLOO-) CENT BLOOD RES INC. 4

XX
 PI Aramburu J, Hogan PG, Rao A;
 XX WPI: 1999-508578/42.
 XX
 PT Inhibitors of NFAT activation by calcineurin, used to, e.g. treat a
 PT disease involving hyperactivity
 XX
 PS Disclosure; Page 117; 125pp: English.
 XX
 CC The present sequence is a peptide derived from murine NFAT1 protein
 CC (239 to 255). This is used to determine dephosphorylation of NFAT by
 CC examining specific sites remaining phosphorylated in the NFAT protein
 CC after treatment with calcineurin. The presence or absence of covalently
 CC bound phosphate is determined using antibodies, or a functionally
 CC equivalent reagent, that discriminate between phosphorylated and
 CC unphosphorylated forms of a specific peptide in the context of the
 CC larger protein or protein fragment. Antibodies to phosphorylated or
 CC dephosphorylated NFAT peptides can be raised, e.g., by immunisation of
 CC rabbits.
 XX
 SQ Sequence 12 AA:
 Oy 1 GAKRR 5
 |||||
 Db 8 gakrr 12
 RESULT 6
 AAY26299
 ID AAY26299 standard; Peptide: 17 AA.
 AC AAY26299;
 XX
 DT 03-NOV-1999 (first entry)
 XX
 DE Peptide comprising residues 239 to 255 of murine NFAT1.
 XX
 KM Murine NFAT1 protein; NFAT dephosphorylation; NFAT protein; calcineurin;
 KM antibody; Immunisation; transcription factor;
 KM calcineurin-mediated dephosphorylation.
 XX
 OS Mus musculus.
 XX
 PN WO9940930-A1.
 PD 19-AUG-1999.
 XX
 PE 11-FEB-1999; 99WO-US03085.
 XX 12-FEB-1999; 98US-0074467.
 XX
 PA (BLOO-) CENT BLOOD RES INC.
 XX Aramburu J, Hogan PG, Rao A;
 XX WPI: 1999-508578/42.
 DR
 PT Inhibitors of NFAT activation by calcineurin, used to, e.g. treat a
 PT disease involving hyperactivity

GenCore version 4.5
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OW protein - protein search, using sw model

Run on: August 13, 2001, 11:25:08 ; Search time 110.38 seconds
(without alignments)
1.648 Million cell updates/sec

Title: PCT-US00-40496-13

Perfect score: 3

Sequence: 1 SRR 3

Scoring table: Oligo
Gapop 60.0, Gapext 60.0

Searched: 412676 seqs, 60623988 residues

Word size: 0

Total number of hits satisfying chosen parameters: 158286

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Listing first 45 summaries

Database: A_Geneseq_0601.*

1:	/cgnl_9/gcgdata/geneseq/geneseq/AA1980.DAT.*
2:	/cgnl_9/gcgdata/geneseq/geneseq/AA1981.DAT.*
3:	/cgnl_9/gcgdata/geneseq/geneseq/AA1982.DAT.*
4:	/cgnl_9/gcgdata/geneseq/geneseq/AA1983.DAT.*
5:	/cgnl_9/gcgdata/geneseq/geneseq/AA1984.DAT.*
6:	/cgnl_9/gcgdata/geneseq/geneseq/AA1985.DAT.*
7:	/cgnl_9/gcgdata/geneseq/geneseq/AA1986.DAT.*
8:	/cgnl_9/gcgdata/geneseq/geneseq/AA1987.DAT.*
9:	/cgnl_9/gcgdata/geneseq/geneseq/AA1988.DAT.*
10:	/cgnl_9/gcgdata/geneseq/geneseq/AA1989.DAT.*
11:	/cgnl_9/gcgdata/geneseq/geneseq/AA1990.DAT.*
12:	/cgnl_9/gcgdata/geneseq/geneseq/AA1991.DAT.*
13:	/cgnl_9/gcgdata/geneseq/geneseq/AA1992.DAT.*
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15:	/cgnl_9/gcgdata/geneseq/geneseq/AA1995.DAT.*
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19:	/cgnl_9/gcgdata/geneseq/geneseq/AA1999.DAT.*
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22:	/cgnl_9/gcgdata/geneseq/geneseq/AA2001.DAT.*

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SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	100.0	3	4	18 AAM11147	CD4 peptide capabl
2	100.0	3	4	20 AAT23396	V beta 6 clone fou
3	100.0	3	4	22 AAB80641	Human glandular ka
4	100.0	3	4	22 AAB80651	Human glandular ka
5	100.0	3	4	22 AAB30780	Peptide which is u
6	100.0	3	5	17 AAM00250	Subtilisin N62D/G1
7	100.0	3	5	19 AAY20459	Human microtubule
8	100.0	3	5	19 AAW65358	Peptide #19 useful
9	100.0	3	5	19 AAW65359	Peptide #20 useful
10	100.0	3	5	19 AAW65360	Peptide #21 useful
11	100.0	3	20	AAW98066	Sorting signal cha

12	3	100.0	5	20 AAW98063	Staphylococcal pro
13	3	100.0	5	21 AAB11074	S. pyogenes sorta
14	3	100.0	5	21 AAB11077	Fibronectin-deri
15	3	100.0	5	21 AAB37745	Fibronectin-deri
16	3	100.0	5	21 AAB37746	Fibronectin-deri
17	3	100.0	5	21 AAB37747	Fibronectin-deri
18	3	100.0	5	21 AAB80742	Fibroblast invasio
19	3	100.0	5	21 AAB80743	Fibroblast invasio
20	3	100.0	5	21 AAB80744	Fibroblast invasio
21	3	100.0	5	21 AAY58448	Staphylococcus aur
22	3	100.0	5	22 AAB80742	Staphylococcus aur
23	3	100.0	5	22 AAB80742	Staphylococcus aur
24	3	100.0	6	15 AAR55741	Staphylococcus aur
25	3	100.0	6	17 AAM03507	dSRN-dependent KI
26	3	100.0	6	18 AAM11148	Alpha(V)-beta(3) I
27	3	100.0	6	19 AAW56835	CD4 peptide capabl
28	3	100.0	6	19 AAW56836	Enzyme inhibitor p
29	3	100.0	6	19 AAW56943	Enzyme inhibitor p
30	3	100.0	6	19 AAW56945	Enzyme inhibitor p
31	3	100.0	6	19 AAW57034	Enzyme inhibitor p
32	3	100.0	6	19 AAW56918	Enzyme inhibitor p
33	3	100.0	6	19 AAW56960	Enzyme inhibitor p
34	3	100.0	6	20 AAT33940	Immunogenic myosta
35	3	100.0	6	20 AAT33501	V beta 6 clone fou
36	3	100.0	6	20 AAT21585	Integrin-binding p
37	3	100.0	6	21 AAB22064	dSRN kinase pp68
38	3	100.0	6	21 AAB22085	dSRN kinase pp68
39	3	100.0	6	21 AAB30609	Aspergillus niger
40	3	100.0	6	21 AAW84217	Amino acid sequenc
41	3	100.0	7	16 AAW21297	Glucagon precursor
42	3	100.0	7	16 AAW21304	Glucagon precursor
43	3	100.0	7	19 AAT20729	Human neurofilamen
44	3	100.0	7	20 AAT41246	Tyln-arginine amin
45	3	100.0	7	20 AAW48772	Membrane dipeptida

ALIGNMENTS

RESULT 1

AAW1147 standard: peptide: 4 AA.

AAW1147:

10-JUN-1997 (first entry)

CD4 peptide capable of binding HIV gp120 to inactivate HIV.

HIV: human immunodeficiency virus; gp120: glycoprotein 120; AIDS: acquired immune deficiency syndrome; inhibit transmission.

Synthetic.

US5603933-A.

18-FEB-1997.

31-AUG-1993: 93US-0115171.

31-AUG-1993: 93US-0115171.

(TEXA) UNIV TEXAS.

Arlinghaus RB, Dwyer VA, Nehete PN, Sastri JK.

WPI: 1997-144820/13.

Compn. comprising CD4 peptide capable of binding to HIV gp120 - for protection against HIV infection

Claim 1: Column 29: 20pp: English.

XX

XX
XX
E

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: August 13, 2001, 11:29:55 ; Search time 58.4 Seconds

(without alignments)
1.410 Million cell updates/sec

Title: PCT-US00-40496-40

Perfect score: 4

Sequence: 1 AKRL 4

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 197339 seqs, 20590346 residues

Word size : 0

Total number of hits satisfying chosen parameters: 104997

Minimum DB seq length: 0

Maximum DB seq length: 20

Post-processing: Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgnl_7/prodata/1/iaa/5A_COMB.pep:*
2: /cgnl_7/prodata/1/iaa/5B_COMB.pep:*
3: /cgnl_7/prodata/1/iaa/6A_COMB.pep:*
4: /cgnl_7/prodata/1/iaa/6B_COMB.pep:*
5: /cgnl_7/prodata/1/iaa/PCTUS_COMB.pep:*
6: /cgnl_7/prodata/1/iaa/backfillseq.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4	100.0	8	2 US-09-016-366A-50	Sequence 50, Appl
2	4	100.0	9	1 US-08-633-760-7	Sequence 7, Appl
3	4	100.0	12	2 US-08-973-563A-33	Sequence 33, Appl
4	4	100.0	12	2 US-08-973-559-33	Sequence 33, Appl
5	4	100.0	14	1 US-07-968-781A-17	Sequence 17, Appl
6	4	100.0	14	1 US-08-232-453A-6	Sequence 6, Appl
7	4	100.0	16	4 US-08-669-286-8	Sequence 8, Appl
8	4	100.0	16	4 US-09-469-253-8	Sequence 8, Appl
9	4	100.0	17	6 5304631-5	Patent No. 5304631
10	4	75.0	4	1 US-08-460-343B-67	Sequence 67, Appl
11	4	75.0	4	1 US-08-398-028B-67	Sequence 67, Appl
12	4	75.0	4	2 US-08-504-265B-67	Sequence 67, Appl
13	4	75.0	4	2 US-08-504-265B-86	Sequence 86, Appl
14	4	75.0	4	2 US-08-504-265B-87	Sequence 87, Appl
15	4	75.0	4	2 US-08-545-562A-65	Sequence 65, Appl
16	4	75.0	4	3 US-08-888-381-4	Sequence 4, Appl
17	4	75.0	4	5 PCT-US94-07779-16	Sequence 16, Appl
18	4	75.0	5	1 US-08-448-736-12	Sequence 12, Appl
19	4	75.0	5	1 US-08-452-779-12	Sequence 12, Appl
20	4	75.0	5	2 US-08-445-065-13	Sequence 13, Appl
21	4	75.0	5	3 US-08-335-733D-90	Sequence 90, Appl
22	4	75.0	5	3 US-08-959-524-13	Sequence 13, Appl
23	4	75.0	6	2 US-08-928-958-6	Sequence 6, Appl
24	4	75.0	6	2 US-09-072-429-6	Sequence 6, Appl
25	4	75.0	6	3 US-08-718-904-39	Sequence 39, Appl
26	4	75.0	6	4 US-09-177-249-214	Sequence 214, Appl
27	4	75.0	6	5 PCT-US95-10973A-75	Sequence 75, Appl

28	3	75.0	7	1 US-08-240-514-14	Sequence 14, Appl
29	3	75.0	7	2 US-08-612-302A-14	Sequence 14, Appl
30	3	75.0	7	2 US-08-680-326-92	Sequence 92, Appl
31	3	75.0	7	4 US-09-190-964-1	Sequence 1, Appl
32	3	75.0	7	4 US-09-190-964-3	Sequence 3, Appl
33	3	75.0	7	4 US-09-190-964-6	Sequence 6, Appl
34	3	75.0	7	4 US-09-190-964-23	Sequence 23, Appl
35	3	75.0	7	4 US-09-190-964-26	Sequence 26, Appl
36	3	75.0	7	4 US-09-190-964-27	Sequence 27, Appl
37	3	75.0	7	4 US-09-190-964-28	Sequence 28, Appl
38	3	75.0	7	4 US-09-190-964-29	Sequence 29, Appl
39	3	75.0	7	4 US-09-190-964-30	Sequence 30, Appl
40	3	75.0	7	4 US-09-100-930A-20	Sequence 20, Appl
41	3	75.0	7	5 PCT-US92-10621-50	Sequence 50, Appl
42	3	75.0	7	5 PCT-US93-12679-29	Sequence 29, Appl
43	3	75.0	7	5 PCT-US94-01234-48	Sequence 48, Appl
44	3	75.0	7	5 PCT-US94-02233-50	Sequence 50, Appl
45	3	75.0	8	2 US-08-504-265B-89	Sequence 89, Appl

ALIGNMENTS

RESULT 1
US-09-016-366A-50
; Sequence 50, Application US/09016366A
; Patent No. 5955431
GENERAL INFORMATION:
APPLICANT: Stevens, Richard L.
APPLICANT: Huang, Chitu
TITLE OF INVENTION: MAST CELL PROTEASE PEPTIDE
TITLE OF INVENTION: INHIBITORS
NUMBER OF SEQUENCES: 65
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: MA
COUNTRY: U.S.A.
ZIP: 02210-2211
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,366A
FILING DATE: January 30, 1998
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/037,090
FILING DATE: 05-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Plummer, Elizabeth R.
REGISTRATION NUMBER: 36,637
REFERENCE/DOCKET NUMBER: B0801/7093
TELEPHONE: 617-720-3500
TELEFAX: 617-720-2441
TELEX:
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-016-366A-50
Query Match Score 4; DB 2; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AKRL 4
1111
DB 3 AKRL 6

RESULT 2

US-08-633-760-7
; Sequence 7, Application US/08633760
; Patent No. 5804429
; GENERAL INFORMATION:
; APPLICANT: NIMA, MINEO
; APPLICANT: SAITO, YOSHIMASA
; APPLICANT: FUJIMURA, TAKAO
; APPLICANT: ISHII, YOSHINORI
; APPLICANT: NOGUCHI, YUJI
; TITLE OF INVENTION: A NEW CEPHALOSPORIN C ACYLASE
; NUMBER OF SEQUENCES: 64
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P. C.
; STREET: 1755 JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/633.760
; FILING DATE: 01-MAY-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 18-929-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-633-760-7

Query Match 100.0%; Score 4; DB 1; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AKRL 4
1111
DB 4 AKRL 7

RESULT 3
US-08-973-563A-33
; Sequence 33, Application US/08973563A
; Patent No. 5885965
; GENERAL INFORMATION:
; APPLICANT: Oppenheim, Frank G.
; APPLICANT: Xu, Tao
; APPLICANT: Spacciapoli, Peter
; APPLICANT: Roberts, F. D.
; APPLICANT: Friden, Philip M.
; TITLE OF INVENTION: Anti-Fungal D-Amino Acid Histatin-Based

TITLE OF INVENTION: Peptides
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Milltia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: US
; ZIP: 02173

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/973.563A
; FILING DATE: 07-JUN-1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/485,273
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: PER95-02A2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 781-861-6240
; TELEFAX: 781-861-9540
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 1..12
; OTHER INFORMATION: /note="At least one amino acid
; OTHER INFORMATION: must have a D configuration."
; US-08-973-563A-33

Query Match 100.0%; Score 4; DB 2; Length 12;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AKRL 4
1111
DB 1 AKRL 4

RESULT 4
US-08-973-559-33
; Sequence 33, Application US/08973559
; Patent No. 591230
; GENERAL INFORMATION:
; APPLICANT: OPPENHEIM, FRANK G.
; APPLICANT: XU, TAO
; APPLICANT: ROBERTS, F. D.
; APPLICANT: SPACCIAPOLI, PETER
; APPLICANT: FRIDEN, PHILIP M.
; TITLE OF INVENTION: Anti-Fungal and Anti-Bacterial
; TITLE OF INVENTION: Histatin-Based Peptides
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Milltia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: US
; ZIP: 02173
; COMPUTER READABLE FORM: